

Module: 1-3 Air Defense

Homework: Assignments shall be completed before the day's first class. Quizzes cover the assigned homework, required reading and Computer Based Training assignments, and may draw all previous instruction.

Course Grade Weighting:

Check on Learning (COL) Quizzes (one IO, four AD\IO)	20%
AD\IO Exam	80%

AD References.

All AD readings are located at: **L:\N73_Lessons\ILT\Warfare_Fundamentals\AD\References**

1-3-1 Air Defense Overview (4.5 hours)

Topic	Hrs Req.
1-3-1-0 Welcome to Air Defense	0.5
Homework/Read Ahead Assignments:	
CBT Lesson(s): N/A	
Required Reading / Viewing:	
AD syllabus	0.5
1-3-1-1 Battlespace and Intelligence Sources	1.5
Homework/Read Ahead Assignments:	
CBT Lesson(s):	
Module 2: Lesson 1 Command and Control	1.0
Module 2: Lesson 2 Battlespace Management	1.0
Required Reading / Viewing: NA	
Navy-wide OPTASK AD Part 1 dtg 121845Z Jan 04	1.0
Navy-wide OPTASK AD Part II dtg 121853Z Jan 04	1.0
NWP 1-14M Commanders Handbook on Law of Naval Operations (ch 1)	0.5
NWP 3-01.01 Fleet Air Defense (ch 5)	0.5
NTTP 3-01.11 Air Defense Planning Guide (ch 6)	0.5
NWP 2-01 Intelligence Support to Afloat Operations (ch2)	0.5
1-3-1-2 Communications Overview	1.5
Homework/Read Ahead Assignments:	
CBT Lesson(s):	
Module 2: Lesson 3 Communications	1.0
Required Reading / Viewing: NA	
NTTP 6-02.1 Multi-service Brevity Codes (all)	1.0
APP 1(B) Allied Maritime Voice Reporting Procedures (all)	0.5
APP 1(B) Allied Maritime Voice Reporting Procedures (all)	0.5
ACP-125(F) Allied Communications Procedures - Radiotelephone Procedures (Sep 01)	0.5

1-3-1-3 Threat Overview	1
Homework/Read Ahead Assignments:	
CBT Lesson(s):	
Module 2: Lesson 4 Threat Order of Battle	1.0
Required Reading / Viewing:	
NTTP 3-01.5 Aegis Core Tactics (ch 3)	1.0
TM 3-13.1-09 ASMD Tactics against Anti Radiation Homing Missiles	0.5
ONI Sealink (http://other-high-oniportal.oni.nmic.navy.smil.mil/portal/server.pt)	0.5
1-3-2 Self Defense (5.5 hours)	
Topic:	
1-3-2-1 Communications Modifications	1
Homework/Read Ahead Assignments:	
CBT Lesson(s): N/A	
Required Reading / Viewing:	
NTRP 3-20.6.xx (Your class tactical publication) (app B Standard Commands and Reports)	0.5
Navy-wide OPTASK AD Part 1 dtg 121845Z Jan 04 (section I3/5 checkprint procedures)	0.5
1-3-2-2 Threat Determination	1.5
Homework/Read Ahead Assignments:	
CBT Lesson(s): N/A	
Required Reading:	
CJCSI 3121.01B Standing Rules of Engagement Rules for the Use of Force (instruction and enclosures (a, b, c, i, j))	0.5
Navy-wide OPTASK AD Part 1 dtg 121845Z Jan 04 (section I3/1 PFID, section I3/2 PHID)	0.5
1-3-2-3 Weapons Systems Employment	1.5
Homework/Read Ahead Assignments:	
CBT Lesson(s): N/A	
Required Reading:	
NTRP 3-20.6.xx (Your class tactical publication) (ch Air Defense)	1.0
SWO Top Ten (L:\N73_Lessons\LT\Warfare_Fundamentals\AD\References\SWO TOP 10) (AD 5 and 6)	0.5
1-3-2-4 Detect to Engage	1
Homework/Read Ahead Assignments:	
CBT Lesson(s): N/A	
Required Reading:	
None	0.0
1-3-3 Point Defense (3 hours)	
Topic:	
1-3-3-1 Battlespace Changes	0.5
Homework/Read Ahead Assignments:	
CBT Lesson(s): N/A	
Required Reading:	
NTTP 3-01.5 Aegis Core Tactics (ap C)	1.0

	NTTP 3-01.11 Air Defense Planning Guide (ch7)	0.5
	Navy-wide OPTASK AD Part 1 dtg 121845Z Jan 04 (section B1: Shotgun)	0.5
	1-3-3-2 Communications Modifications	0.5
	Homework/Read Ahead Assignments:	
	CBT Lesson(s): N/A	
	Required Reading	
	None	0.0
	1-3-3-3 Weapons Systems Employment	1
	Homework/Read Ahead Assignments:	
	CBT Lesson(s): N/A	
	Required Reading:	
	NTRP 3-20.6.08 DDG 51 Class Tactical Publication (ch 5)	0.5
	NTRP 3-20.6.02 CG Class Tactical Publication (ch 5)	0.5
	1-3-3-4 Detect to Engage	1
	Homework/Read Ahead Assignments:	
	CBT Lesson(s): N/A	
	Required Reading:	
	None	0.0
	1-3-4 Area Defense (5 hours)	
	1-3-4-1 Battlespace Changes	0.5
	Homework/Read Ahead Assignments	
	CBT Lesson(s): N/A	
	Required Reading:	
	Navy-wide OPTASK AD Part 1 dtg 121845Z Jan 04	1.0
	Navy-wide OPTASK AD Part II dtg 121853Z Jan 04	1.0
	NWP 3-01.01 Fleet Air Defense (ch 5)	0.5
	NTTP 3-01.11 Air Defense Planning Guide (ch 6)	0.5
	1-3-4-2 Communications Modifications	0.5
	Homework/Read Ahead Assignments	
	CBT Lesson(s): N/A	
	Required Reading:	
	NTTP 3-03.4 Naval Strike and Air Warfare (ch 3)	0.5
	NTTP 6-02.1 Multi-service Brevity Codes	0.5
	1-3-4-3 Threat Determination	0.5
	Homework/Read Ahead Assignments:	
	CBT Lesson(s): N/A	
	Required Reading:	
	None	0.0
	1-3-4-4 Weapons Systems Employment	1.5
	Homework/Read Ahead Assignments:	

	CBT Lesson(s): N/A	
	Required Reading:	
	None	0.0
	1-3-4-5 Air Defense Stationing	1
	Homework/Read Ahead Assignments:	
	CBT Lesson(s): N/A	
	Required Reading:	
	NTTP 3-03.4 Naval Strike and Air Warfare (ch 4)	0.5
	1-3-4-6 Detect to Engage	1
	Homework/Read Ahead Assignments:	
	CBT Lesson(s): N/A	
	Required Reading:	
	None	0.0
	1-3-5 Air Defense Employment Tactics (7 hours)	
	1-3-5-1 Managing Tanker Assets	0.5
	1-3-5-2 Low Slow Flyer Tactics	0.5
	1-3-5-3 TACMEMO Briefs	0.5
	1-3-5-4 Maritime Ballistic Missile Defense	0.5
	1-3-5-5 CV NATOPS/OPS	1.0
	1-3-5-6 AIC for the TAO	1.0
	1-3-5-7 ADC Roles and Responsibilities	1.0
	1-3-5-8 ADC Command and Control	1.0